SOFIA

SOFIA, the **Stratospheric Observatory for Infrared Astronomy**, is the **largest airborne observatory in the world**. It consists of an **extensively modified Boeing aircraft** carrying a reflecting telescope with an effective diameter of 2.5 meters. The observatory is based at NASA's Armstrong Flight Research Center in Palmdale, California.

Thus SOFIA observes universe in **infrared wavelengths to get the expanded views**. It is preparing for its campaign for **observing Saturn’s giant moon Titan**.